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PATENT SPECIFICATION

414,670

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COMPLETE SPECIFICATION.



Improvements in or relating to Electric Blasting Fuses.

I, KONRAD SCHAFFLER-GLÖSSL, of 138, Lerchenfelderstrasse, Vienna VIII, Austria, an Austrian citizen, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to a method of making electric blasting fuses of the kind wherein the fuse material is enclosed in a case one end of which is closed by a plug holding the electric conductors.

It has been proposed to form a water tight joint on a fuse of this kind by employing a plug of rubber and by crimping the case over the plug along two or more rows, each divided into semi-circular grooves, by two pairs of projections at right angles to each other. The grooves made in this manner are not quite continuous.

It has also been proposed to employ a lead plug which is secured to the fuse case and to the wires by indentations made on two or more circumferential lines.

The object of the present invention is to obtain a fuse that will remain tight under very high pressure, and the invention consists in closing the fuse case by a plug of lead and tightening the plug hermetically to the wires as well as to the case by pressing continuous, circumfer-

ential grooves into case and plug after assembly.

The accompanying drawing represents a partly sectional view of a fuse made according to the invention.

The originally cylindrical end of the fuse case 1, is closed by a plug 2 of lead, through which the electric conductors 4 of the fuse element 3 pass into the case. After the insertion of the fuse element and the plug into the case, the latter is secured to the plug by pressing into case and plug circumferential grooves 5. The resulting deformation of the plug will cause the latter to grip the conductors 4 so as to ensure an hermetic closure between the plug and the conductors as well as between the plug and the case.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

A method of making electric fuses of the kind referred to, consisting in closing the end of the fuse case with a plug of lead, and tightening the plug hermetically to the wires as well as to the case by pressing continuous, circumferential grooves into case and plug after assembly.

Dated the 16th day of April, 1934.

HANS & DANIELSSON,
321, St. John Street, London, E.C. 1,
Registered Patent Agents.

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[Price 1/-]

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[This Drawing is a full-size reproduction of the Original.]

